Week 20 Bio Warmups

Place the following stages of development of life on Earth in order starting with the oldest and ending with the most recent.

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| 1. | oxygen increased |
| 2. | photosynthetic bacteria |
| 3. | organic molecules |
| 4. | water |
| 5. | eukaryotes |

Match each function with the correct carbon compound.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | helps form muscles, bones, skin, etc. | a. | carbohydrates |
| 2. | long-term energy storage | b. | proteins |
| 3. | transmit genetic information | c. | lipids |
| 4. | main source of energy | d. | nucleic acids |

Match each monomer with the correct polymer.

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| --- | --- | --- | --- |
| 1. | glycerol and 3 fatty acids | a. | carbohydrates |
| 2. | amino acids | b. | proteins |
| 3. | nucleotides | c. | lipids |
| 4. | monosaccharides (e.g., glucose) | d. | nucleic acids |

For each of the following organic compounds, list one example or one type of food that would be a good source of the compound.

1. Carbohydrate
2. Protein
3. Lipid
4. Nucleic acid

Listed below are 5 statements about organic compounds. Identify which three statements are false and change the underlined word to make the statement true. (Use one of the 4 compounds: carbohydrates, proteins, lipids, or nucleic acids)

|  |  |
| --- | --- |
| 1. | Proteins are made of amino acids. |
| 2. | DNA and RNA are example of lipids. |
| 3. | Our main source of energy is carbohydrates. |
| 4. | Nucleic acids include fats, oils, and waxes. |
| 5. | Enzymes are carbohydrates. |